



# Advisory Committee to the Director June 2, 2006

NIH Intramural Research Program



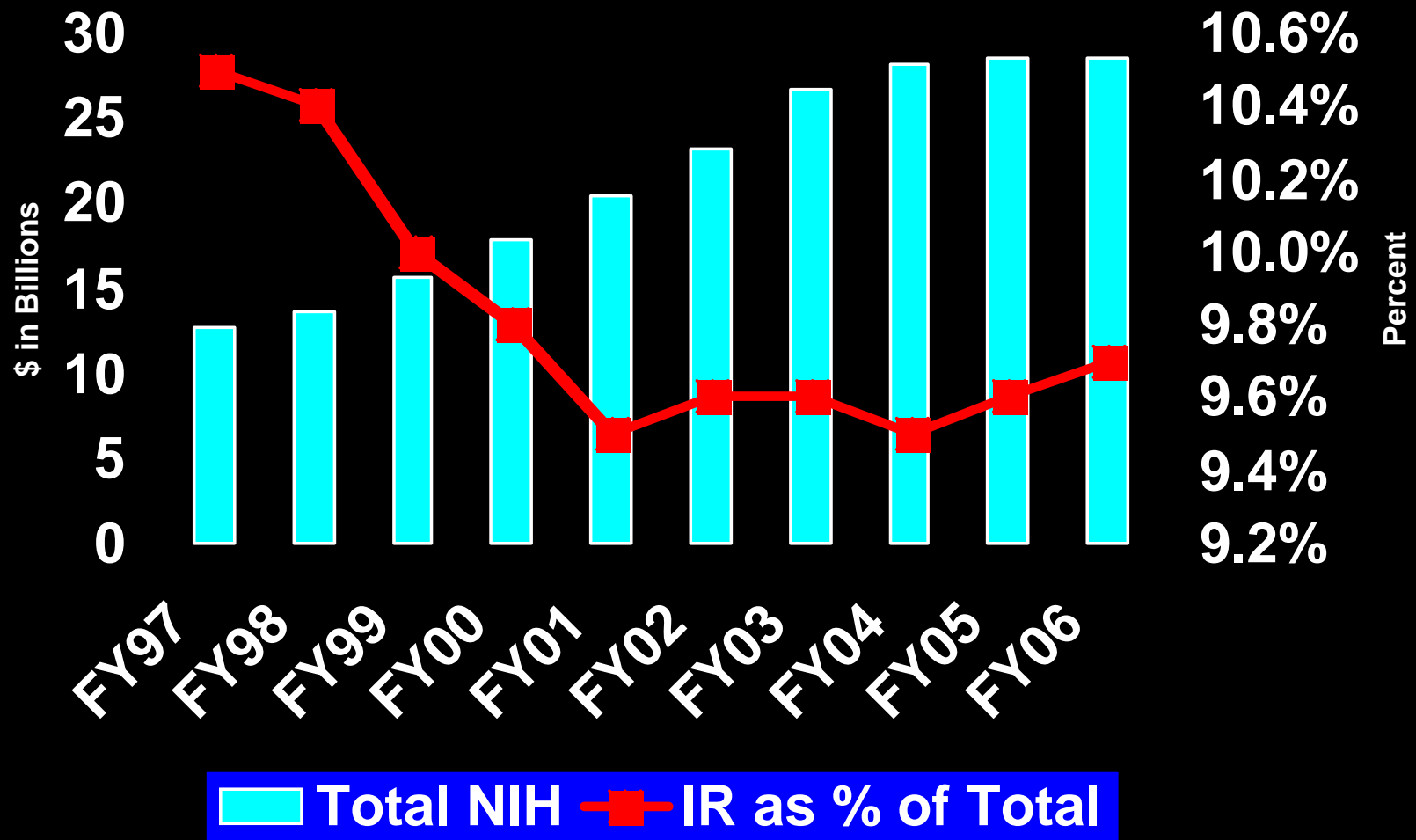
# The NIH Intramural Mission

- The NIH is the steward of medical and behavioral research whose mission is science in pursuit of fundamental biological knowledge and the application of that knowledge to improve public health.
- The Intramural Research Program at NIH conducts *innovative, high-risk, high-impact* laboratory, clinical and population-based research and trains new researchers to support this mission.

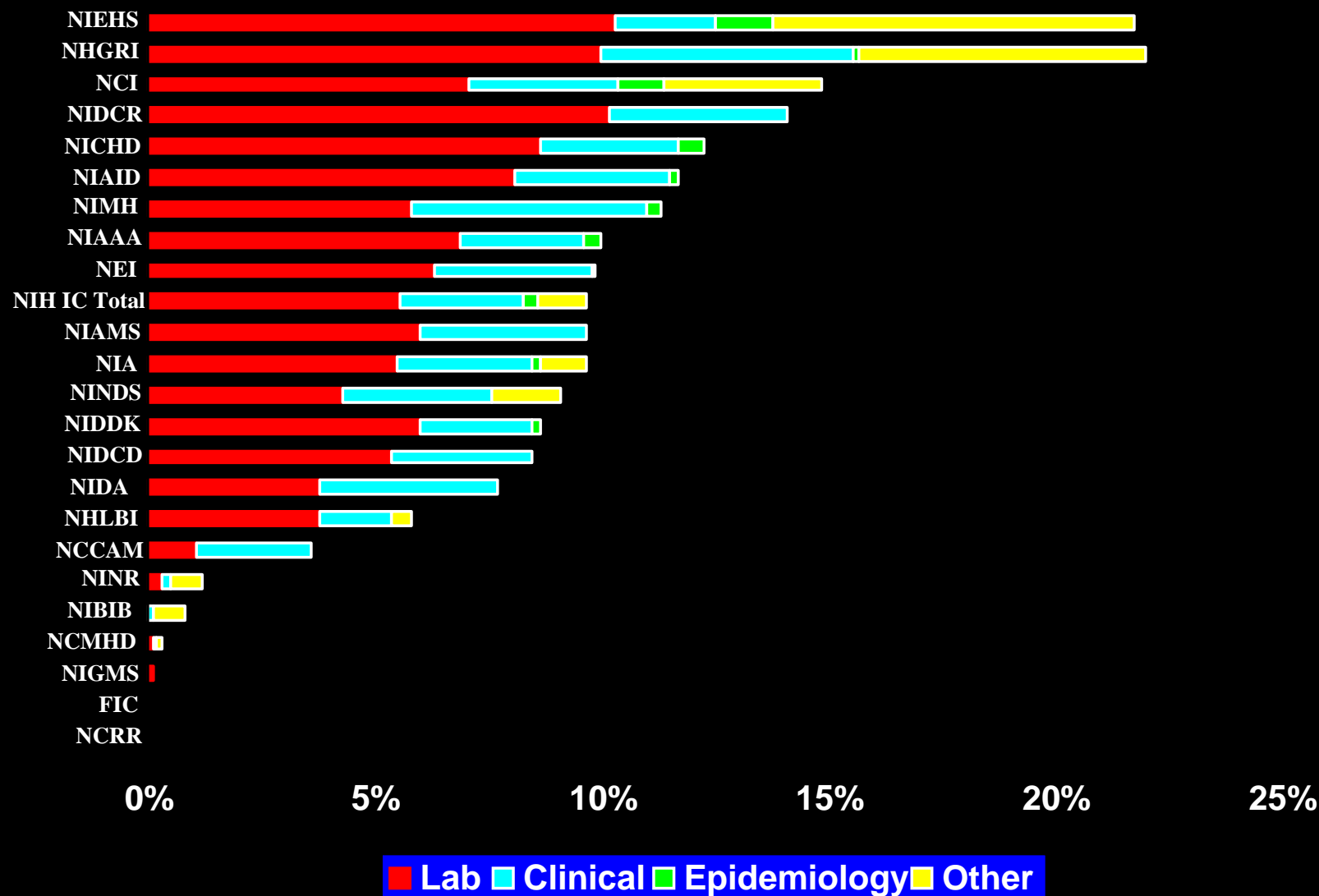
# Structure and Budget of the NIH

- **27 Institutes and Centers**
- **22 ICs have intramural research programs**
- **Intramural Budget is \$2.8 billion, FY2006 (approx. 9.5% of total NIH budget)**
- **IC Directors allocate resources to intramural**
- **Ongoing dollar-stretching exercises**

NIH Total Funding and IR as % of Tot



# Percent of IC Budgets for IRP FY 2004



# Priorities for Intramural Research

- ***Innovative, high-risk, high-impact***, from laboratory to clinical research and training
- **Interdisciplinary research and training**
- **Immediate public health needs**
- **Intramural-extramural collaborations**
- **Shared resources to achieve efficiencies**
- **Tenure-track investigators**
- **Enhanced workforce diversity**



# **Some Special Features of Intramural Research**

- **Clinical Center--a hospital dedicated only to research; access to patients from every state**
- **Rigorous, primarily retrospective review**
- **ICs with specific disease orientation**
- **Ability to respond quickly to public health threats**
- **Extensive resources (bioinformatics, imaging, vaccine development, animal models)**
- **Effective technology transfer program**
- **1250 PIs, 6000 doctoral level scientists**

# **NIH Intramural Trainees**

- **1,000 summer students (high school, college, graduate and medical)**
- **600 post-baccalaureate trainees**
- **75 medical/dental students**
- **400 graduate students**
- **3,800 post-doctoral fellows**



# **Review Process for Science**

- **Annual performance reviews for all scientific staff**
- **Quadrennial reviews by outside Boards of Scientific Counselors for all 1,250 principal investigators**
- **Blue Ribbon Panel reviews of intramural programs**
- **Outside reviews of performance of Scientific Directors every 5 years**
- **Present or pending outside accreditation of hospital, graduate medical education, continuing medical education, animal care and use, and human subjects research programs**

# **New Intramural Initiatives**

- **Interdisciplinary Training**
- **Bench-to-Bedside Proposals**
- **Trans-NIH Intramural Research Initiatives**

# **Interdisciplinary Research**

- **Physical and computer science in biology**
  - **NIST/NIH Program**
- **Translational research**
  - **Ph.D.s in translational research**  
**(“demystifying medicine”)**
  - **Physician-scientists in clinical and laboratory research**

# **Bench-to-Bedside Proposals**

- **Competitive intramural applications that pair a laboratory and a clinical investigator, involving intramural scientists from different ICs, or intramural and extramural scientists**
- **Extension in the future to proposals from extramural investigators to work with intramural scientists to use Clinical Center facilities**

# **Trans-NIH Intramural Research Initiatives**

- **We are identifying new and creative ways to take advantage of special features of the intramural research program**
- **80 intramural scientists from all ICs are meeting in focus groups to identify areas of possible emphasis**
- **Extramural scientific leaders will help set priorities for these new initiatives**